Amendments to the Specification:

Please add the following new paragraph before line 1 of page 1:

~~DESCRIPTION~~TITLE

Please add the following new paragraph after the paragraph ending on line 5 of page 1:

CROSS REFERENCE TO RELATED APPLICATIONS

The present application claims priority to Japanese Patent Document No. P2003-310461 filed on September 2, 2003, the disclosure of which is herein incorporated by reference.

Please delete the following subtitle on line 7 of page 1:

~~Technical Field~~

Please delete the following subtitle on line 14 of page 1:

~~Background Art~~

Please add the following new Title after the paragraph ending on line 23 of page 6:

SUMMARY

Please delete the following subtitle on line 8 of page 7:

~~Disclosure of the Invention~~

Please add the following new paragraph after the paragraph ending at line 8 on page 19:

Additional features and advantages of the present invention are described in, and will be apparent from, the following Detailed Description and the Figures.

Please replace the Title on page 19, line 10 with the following rewritten Title:

~~Brief Description of the Drawings~~BRIEF DESCRIPTION OF THE FIGURES

Please replace the Title on page 21, line 5 with the following rewritten Title:

~~Best Modes for Carrying out the Invention~~DETAILED DESCRIPTION

Please add the following new paragraph after the paragraph ending at line 18 on page 63:

It should be understood that various changes and modifications to the presently preferred embodiments described herein will be apparent to those skilled in the art. Such changes and modifications can be made without departing from the spirit and scope of the present invention and without diminishing its intended advantages. It is therefore intended that such changes and modifications be covered by the appended claims.

Please replace the Abstract on page 72 with the following rewritten Abstract:

ABSTRACT OF THE DISCLOSURE

A battery remaining capacity calculating method, a battery remaining capacity calculating device, and a battery remaining capacity calculating program that make it possible to estimate the remaining capacity of a secondary battery with high accuracy using a relatively simple circuit configuration are provided. An output voltage value of the secondary battery is measured, a use mode of the secondary battery is divided into a high consumption mode in which the output voltage value is not lower than a threshold value and a low consumption mode in which the output voltage value is lower than the threshold value, a remaining capacity in the low consumption mode is calculated on a basis of a predetermined reference voltage curve as a discharge characteristic of the secondary battery and the output voltage value, and a remaining capacity in the high consumption mode is calculated supposing that there is little change in the remaining capacity at a time of change from the low consumption mode to the high consumption mode. In the high consumption mode, the remaining capacity may be calculated on a basis of a reference remaining capacity as a remaining capacity before the use mode change, a start voltage as an output voltage at a time of a start of the high consumption mode, a predetermined cutoff voltage of the secondary battery, and the output voltage value.